

ABSTRACT

The present invention relates to a molecular detection method in which a chain molecule immobilized on a substrate is visualized and identified by probing with a scanning probe microscope in solution. Furthermore, the present invention relates to a system for detecting a chain molecule immobilized on a substrate, the system being equipped with a jig for holding the substrate, a container housing the substrate and a solution, a probe, a probe detector, a drive mechanism for scanning the substrate or the probe in three dimensions, and a drive control circuit for controlling the drive mechanism. In accordance with the present invention, a chain molecule immobilized on a substrate can be detected clearly, which has been difficult conventionally.